

Abstract**Control of Electroluminescent Displays**

5 A controller 2 is provided for use with a multi-segment
electroluminescent display 1. Control signals C1-C5
control a plurality of half H-bridges H1-H5, the
10 terminals of the half H-bridges being connected
respectively to ground 10 and to a high voltage DC
supply 9 so that the half H-bridges each provide an AC
voltage. One of said half H-bridges provides a common
output Vcommon and the remaining H-bridges provide drive
15 voltages V1-V4 for the segments of the display. During
each cycle, the controller 2 causes the drive outputs
V1-V4 to either be in phase or in anti-phase with the
common output Vcommon. This selectively turns the
20 segments on and off at a rate much higher than the human
eye can perceive. The brightness of the segments is
controlled by varying the proportion of the time that
each segment is illuminated.